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24. (New) The method of claim 21 wherein the HER2 antagonist is an anti-HER2 antibody.

B<sup>2</sup> 25. (New) The method of claim 24 wherein the antibody is rhuMab 4D5 (Herceptin®).

26. (New) The method of claim 21 wherein *Her2* gene amplification is detected by detecting fluorescence of a fluorescent-labeled nucleic acid probe hybridized to the gene.

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